

CHPP 2010-2015

Protecting and Restoring Coastal Habitats



North Carolina Coastal Habitat Protection Plan

By
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February 2005

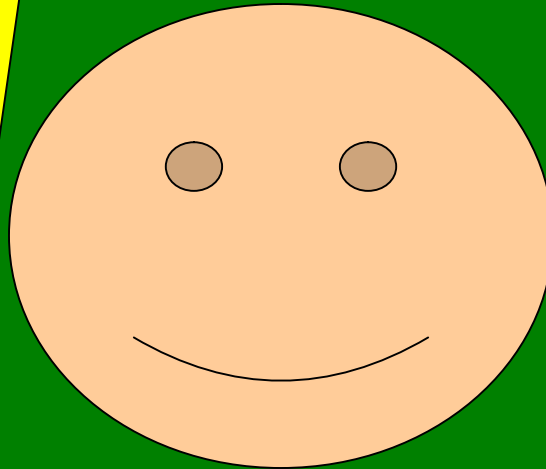


Coastal Habitat Protection Plan Goal

*“...long-term enhancement
of coastal fisheries
associated with each
habitat”*

(G.S. 143B-279.8)

**Where have we been
and where are we
going?**





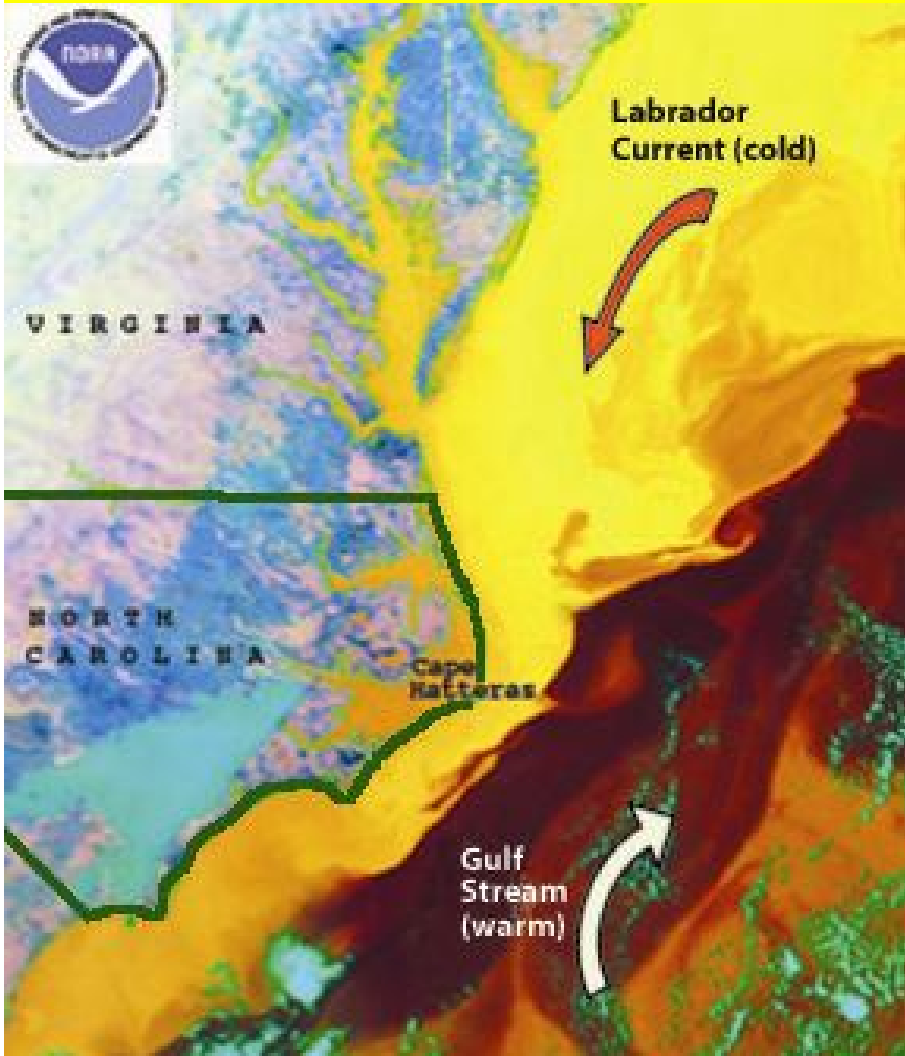
#1

**Largest system
of estuaries &
ocean waters
on the
Atlantic Coast**

Cold Northern Current

Bring many
different species
to N.C. waters

Warm Southern Current

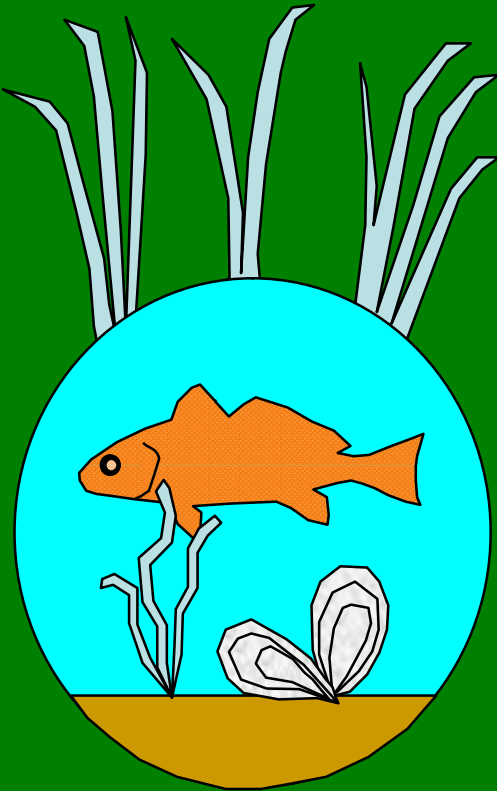


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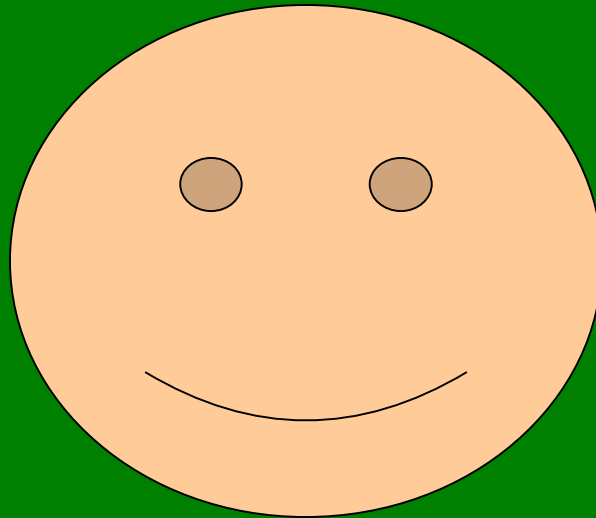
**interdependent
fish habitats**

support

North Carolina's
coastal fisheries.



**What has been
accomplished in
these past 5 years?**



Six most significant accomplishments of the CHPP in the first five years:



1. Interagency coordination and cooperation
2. Stormwater runoff management
3. Habitat mapping

Accomplishments (cont.)

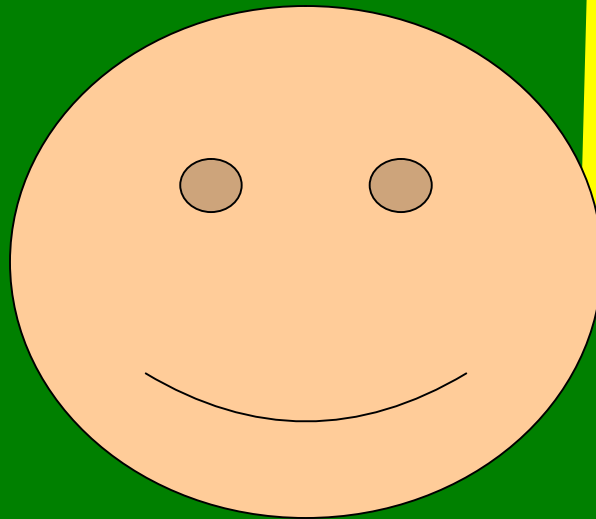
4. Compliance monitoring

5. Oyster reef restoration

6. Beach nourishment management



**What will the updated
CHPP look like and
what will be added?**



6 Interdependent Fish Habitats



WETLANDS



**SOFT
BOTTOM**



**SHELL
BOTTOM**



**SUBMERGED
AQUATIC
VEGETATION**



**HARD
BOTTOM**



**WATER
COLUMN**

WETLANDS habitat



WETLANDS habitat –

Chapter reviewed by representatives from: DMF, DWQ, WRC, DCM, EEP, DFR, ECU, NCCF, NOAA

Updated/New Information:
Added sections include Sea level rise/Climate change, status and trends, enhancement and restoration activities, water dependent development, new management needs



WETLANDS habitat –

Priority Needs:

Mapping and monitoring of wetlands distribution and quality including narrow fringe wetlands

Refine management of estuarine shoreline stabilization to maintain nursery habitat in light of SLR

Coordinate conservation and restoration efforts with SHA assessments and area nominations



**Status - DENR
review complete**

SOFT BOTTOM habitat–



SOFT BOTTOM habitat

Chapter reviewed by representatives from: ECU, UNC-W, USACOE, DCM, NCCF

Updated/New Information: Sections added on Infrastructure, Off-road vehicles, Sea level rise/Climate change and new management needs

SOFT BOTTOM habitat

Priority Needs:

Update NC estuarine
bathymetric maps

Implement Beach and
Inlet Management
Plan (BIMP)

Revise estuarine
shoreline
stabilization rules

Status – awaiting
DENR review



SHELL BOTTOM habitat –



SHELL BOTTOM habitat –

Chapter reviewed by
representatives from: DCM
and DMF

Updated/New information:
Sections added on
designations, sea level
rise/climate change,
distribution, status and
trends, restoration and
enhancement efforts, new
management needs



SHELL BOTTOM habitat –



Priority Needs:

Refine program for determining status and trends in shell bottom resources

Continue shell bottom restoration efforts guided by spat dispersal and existing reefs

Status - Currently being reviewed by DENR

Monitor the effects of endocrine disruptor compounds on shell bottom resources

SUBMERGED AQUATIC VEGETATION (SAV) habitat –



SAV habitat –

Chapter reviewed by: DWQ,
DMF, DCM, NCDOT, NOAA

Updated/New information:

Sections added on Sea
Level rise/Climate change,
revised definition of SAV,
research on habitat
requirements for SAV in
NC, new research on
modeling suitable/potential
SAV habitat, new
management needs



SAV habitat -



**Status - Awaiting
DENR review**

Priority needs:

**Complete delineation
of SAV imagery and
produce a map**

**Develop a
comprehensive
monitoring program to
determine trends**

**Initiate monitoring of
SAV indicators**



***HARD
BOTTOM
habitat –***

HARD BOTTOM habitat –

Chapter reviewed by
representatives from: DCM
and DMF

Updated/New Information:

Sections added on non-native/invasive/nuisance species, designated areas, sea level rise/climate change, distribution and infrastructure, management needs and accomplishments



HARD BOTTOM habitat –

Priority Needs: Establish baseline data with monitoring of the extent and quality of ocean hard bottom areas

Monitor water quality trends in bottom waters of the coastal ocean specifically looking for EDCs

Status - Currently being reviewed by DENR



WATER COLUMN habitat

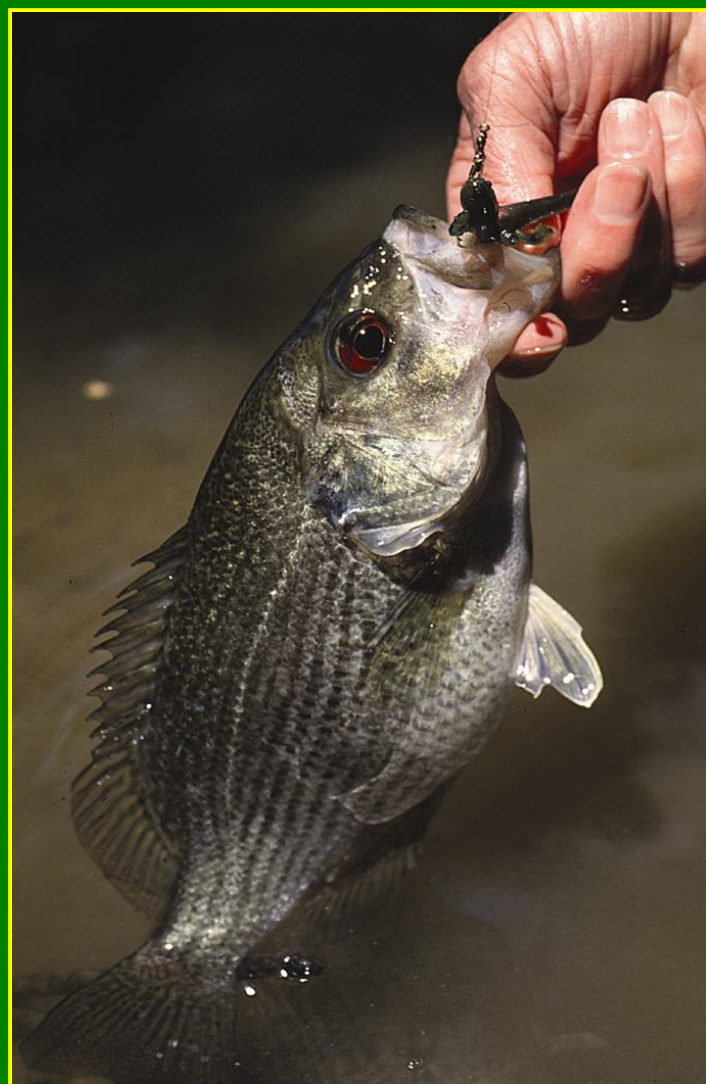


WATER COLUMN habitat

Chapter reviewed by
representatives from: DWO,
DCM, DEH-SS, USGS, NCSU,
USFWS, ECU, UNC-IMS,
Duke, UNC-W

Updated/New Information:

Sections added or revised
include Sea level rise/climate
change, endocrine disruptors,
new designations, restoration
and enhancement efforts,
multi-slip docks, hydrologic
modifications, management
needs and accomplishments



Water Column habitat –

Priority Needs:

Remove obstructions
to anadromous fish
passage

Improve water quality
monitoring coverage

Develop regulatory
tools to address
cumulative impacts

Model water quality
impacts using land
use and other data



**Status - Awaiting
DENR review**

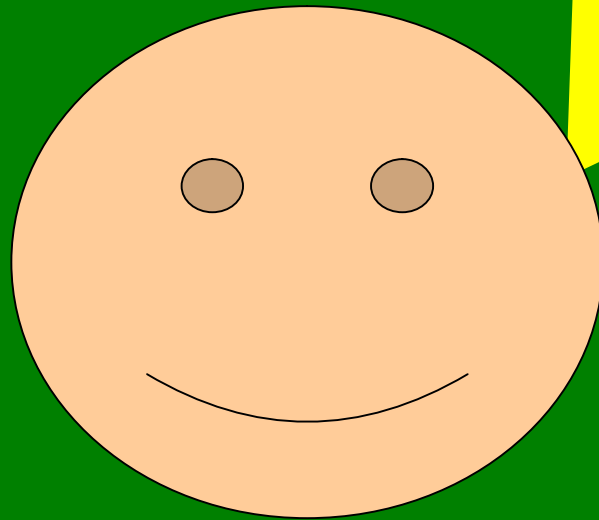
Introduction status - DENR review of the chapter is complete

Ecosystems Management and SHA status - Chapter currently being modified

Recommendations status - Currently being compiled and written by the CHPP Team.



**In conclusion, the
CHPP is all about...**



Clean Water ...



Thriving Commercial Fisheries...



Thriving Recreational Fisheries...



Healthy Coastal Economy...



Healthy Environment...



**A healthy North Carolina –
it's up to all of us!**





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